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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/820,319	04/08/2004	Igor Y. Khandros	P198-US	8542
50905	7590	03/14/2006	EXAMINER	
N. KENNETH BURRASTON KIRTON & MCCONKIE P.O. BOX 45120 SALT LAKE CITY, UT 84145-0120			NGUYEN, VINH P	
			ART UNIT	PAPER NUMBER
			2829	

DATE MAILED: 03/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/820,319

Applicant(s)

KHANDROS ET AL.

Examiner

VINH P. NGUYEN

Art Unit

2829

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 January 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 3-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 3-9 is/are rejected.
- 7) ☒ Claim(s) 14-24 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2829

1. Claims 1,3-9 and 14-24 are objected to because of the following informalities:

In claim 1, it appears that the limitation of “each said test controller comprising a plurality of second conductors that are connectable to an electronic device” appears to be inaccurate because the test controllers (214) do not have a plurality of second conductors (228a-g) because these second conductors (228a-g) are parts of the test board (232). Therefore this limitation is also improperly claimed.

In claim 4, it is unclear whether “a test controller” or “test controllers” has been claimed. Furthermore, it appears that the limitation of “each said test controller comprising a plurality of second conductors that are connectable to an electronic device” appears to be inaccurate because the test controllers (214) do not have a plurality of second conductors (228a-g) because these second conductors (228a-g) are parts of the test board (232). Therefore this limitation is also improperly claimed.

In claim 8, it appears that the limitation of “each said test controller comprising a plurality of second conductors that are connectable to an electronic device” appears to be inaccurate because the test controllers (214) do not have a plurality of second conductors (228a-g) because these second conductors (228a-g) are parts of the test board (232). Therefore this limitation is also improperly claimed.

In claim 14, it appears that the limitation of “each said test controller comprising a plurality of second conductors that are connectable to an electronic device” appears to be

inaccurate because the test controllers (214) do not have a plurality of second conductors (228a-g) because these second conductors (228a-g) are parts of the test board (232). Therefore this limitation is also improperly claimed.

The dependent claims not specifically address share the same indefiniteness as they depend from ^{*objected*} ~~rejected~~ base claims.

Appropriate correction is required.

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the features of “each said test controller comprising a plurality of second conductors that are connectable to an electronic device” as recited in claims 1,4,8 and 14 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the

drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1,3- 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bradley et al (Pat # 6,236,223) in view of Sekino (Pat # 5,225,775).

As to claim 1, Brady et al disclose a testing apparatus as shown in figure 2 having a base controller (226) connected to a tester (228), a plurality of test controller (216,218) with a plurality of second connectors (probe (218) and a connector from an end of probe (218) connected to element (216)) that are connectable to an electronic device under test (212) and wireless means (222,220) for communicating test data wirelessly between the base controller

(228) and the test controller (218,216). Brady et al do not teach that the base controller connected to an electronic device (212) by a plurality of connectors. Sekino disclose an IC testing device as shown in figure 2 having a base controller 1) with a plurality of connectors (L1Ln) connected to the tester (1 0) and a tester controller (82) connected to device under test (11).

It would have been obvious for one of ordinary skill in the art to provide a plurality of connectors in a base controller as taught by Sekino to the device of Brady et al so that different measured signals from the device under test are analyzed separately.

As to claim 3, it appears that at least a portion (1 14) of the test controller (1 14,1 16) is disposed on the electronic device (1 12).

As to claim 4, the device of Brady et al in view of Sekino has an enclosure (housing) is sealable at least test controller (216).

As to claims 5, the electronic device (112) is a semiconductor IC device/dies

As to claims 6, Brady et al disclose in figure 2 an unsingulated semiconductor wafer with a plurality of electronic devices (212).

As to claim 7, it appears that the wireless means (124) of Brady et al comprises a first transceiver (first end of the wireless means (124) connected to the test controller (1 14,1 16) and a second transceiver (second end of the wireless means (124)) connected to the base controller (1 18).

As to claims 8, it appears that the probes (218) of device of Brady et al in view of Sekino make contact with a terminal of the electronic device (die/dice).

As to claim 9, it appears that the test data of Brady et al includes test command.

5. Applicant's arguments with respect to claims 1-9,14-24 filed on 01/03/06 have been considered but are moot in view of the new ground(s) of rejection.

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Slupsky (Pat # 6,885,202) disclose non contact tester for electronic circuits.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VINH P. NGUYEN whose telephone number is 571-272-1964. The examiner can normally be reached on 6:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on 571-272-2034. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


VINH P NGUYEN
Primary Examiner
Art Unit 2829
03/09/06